

ABSTRACT

A heat exchanger comprising a heat exchange core composed of tube groups in the form of rows arranged in the direction of flow of air through the exchanger, each of the tube groups including a plurality of heat exchange tubes arranged at a spacing. A refrigerant inlet header and a refrigerant outlet header are positioned at the upper end of the core and having respective groups of heat exchange tubes joined thereto. A refrigerant turn tank is disposed at the lower end of the core. The turn tank has its interior divided by a partition wall into a refrigerant inflow header and a refrigerant outflow header. The heat exchange tubes have lower end portions inserted in the headers and are joined to the headers. Refrigerant passing holes are formed in the partition wall. The heat exchange tubes have their lower ends positioned below the lower ends of the holes.